

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTIONS OF U.S. 40 (BALTIMORE NATIONAL PIKE) & COLERIDGE ROAD. THIS PROJECT IS LOCATED IN BALTIMORE COUNTY, MARYLAND.

U.S. 40 (BALTIMORE NATIONAL PIKE) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT EACH INTERSECTION.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

U.S. 40 (BALTMORE NATIONAL PIKE) AND COLERIDGE ROAD

1. U.S. 40 (BALTIMORE NATIONAL PIKE) AND COLERIDGE ROAD – WEST LEG (PUSHBUTTONS #32 & #33)

INTERSECTION WITH ANGLED CROSSING

WAIT: "WAIT TO CROSS BALTIMORE NATIONAL AT COLERIDGE AND CATONSVILLE PLAZA. CROSSWALK ANGLES LEFT. WAIT" **

WALK: RAPID TICK

2. U.S. 40 (BALTIMORE NATIONAL PIKE) AND COLERIDGE ROAD – WEST LEG (PUSHBUTTONS #30 & #31)

INTERSECTION WITH ANGLED CROSSING

WAIT: "WAIT TO CROSS BALTIMORE NATIONAL AT COLERIDGE AND CATONSVILLE PLAZA. CROSSWALK ANGLES RIGHT. WAIT" **

WALK: RAPID TICK

3. COLERIDGE ROAD AND U.S. 40 (BALTIMORE NATIONAL PIKE) – NORTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS COLERIDGE AT BALTIMORE NATIONAL. WAIT" *

WALK: RAPID TICK

4. CATONSVILLE PLAZA AND U.S. 40 (BALTIMORE NATIONAL PIKE) – SOUTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS CATONSVILLE PLAZA AT BALTIMORE NATIONAL. WAIT" *

WALK: RAPID TICK

* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10'

** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC

NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NUMBER	QUANTITY	DESCRIPTION
9571	8 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 4 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS BALTIMORE NATIONAL PIKE"
		- 2 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS COLERIDGE ROAD"
		- 2 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS CATONSVILLE PLAZA"

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)	STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)	STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)	
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)	

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER – TRAFFIC
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ASSISTANT DISTRICT ENGINEER – MAINTENANCE
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DISTRICT UTILITY ENGINEER
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MR. ROBERT SYNDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
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MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NUMBER	QUANTITY	DESCRIPTION
1001	705 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS – ANY WIDTH
2002	8 C.Y.	TEST PIT EXCAVATION
5005	420 L.F.	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8003	1 EACH	FURNISH AND INSTALL 2 WIRE CENTRAL CONTROL UNIT
8001	8 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8002	8 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8004	6 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8006	1 EACH	RELOCATE SIGNAL HEAD – ANY TYPE
8007	1 EACH	REM & DISPOSE MAT & EQUIP PER ASSIGN
8012	360 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8013	130 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT – TRENCHED
8014	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8015	8 S.F.	INSTALL GROUND MOUNTED SIGN
8018	5 EACH	GROUND ROD – 3/4 INCH DIAMETER X 10 FOOT LENGTH
8019	7 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8020	2100 L.F.	ELECTRICAL CABLE – 2 CONDUCTOR (NO. 14 AWG)
8021	1080 L.F.	ELECTRICAL CABLE – 5 CONDUCTOR (NO. 14 AWG)
8022	460 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8023	120 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	2 EACH	CONDUIT BEND IN EXISTING FOUNDATION – ANY SIZE
NEG.	15 L.F.	1 INCH DETECTOR SLEEVE GALVANIZED OR FLEXIBLE LIQUID TIGHT
NEG.	55 L.F.	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 40 (Baltimore National Pike) and Coleridge Road
Catonsville, Maryland

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 10/06/2010 CONTRACT NO. AX7045168

DESIGNED BY	S. Bloss	COUNTY	Baltimore
DRAWN BY	S. Bloss	LOGMILE	
CHECKED BY	N. Leary	TIMS NO.	
F.A.P. NO.		TOD NO.	

TS NO.	DRAWING TSP-3 OF 12	SHEET NO.	3 OF 12
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